

WHAT IS CLAIMED IS:

1. An ink jet recording apparatus, comprising:
  - an ink container containing ink;
  - an ink jet head having an ink supply port
  - 5 communicating with the ink container via an ink supply channel, to discharge the ink from a nozzle as ink droplets; and
  - a filter having plural through holes to filter ink, slanted to a horizontal surface and provided in
  - 10 the ink supply channel in a position higher than the ink supply port.
2. The ink jet recording apparatus according to claim 1, further comprising:
  - 15 a filter unit having the filter, provided in the ink supply channel,
  - wherein:
    - the filter unit has an inflow opening which the ink flowing through the ink supply channel enters and
    - 20 an outflow opening from which the ink passed through the filter goes out; and
    - the inflow opening is wider than the outflow opening so as to cause bubbles in the filter unit move to the outside.

3. The ink jet recording apparatus according to claim 2, wherein the filter unit has a slant portion to guide the bubbles in the filter unit to the inflow opening.

4. The ink jet recording apparatus according to claim 1, wherein the filter is formed by a metal plating process.

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5. The ink jet recording apparatus according to claim 2, wherein the filter is formed by a metal plating process.

15 6. The ink jet recording apparatus according to claim 3, wherein the filter is formed by a metal plating process.

7. The ink jet recording apparatus according to claim 1, wherein the ink container holds pigment ink containing pigment as the ink.

20 8. The ink jet recording apparatus according to claim 2, wherein the ink container holds pigment ink

containing pigment as the ink.

9. The ink jet recording apparatus according to  
claim 3, wherein the ink container holds pigment ink  
5 containing pigment as the ink.

10. The ink jet recording apparatus according to  
claim 4, wherein the ink container holds pigment ink  
containing pigment as the ink.  
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11. The ink jet recording apparatus according to  
claim 5, wherein the ink container holds pigment ink  
containing pigment as the ink.

15 12. The ink jet recording apparatus according to  
claim 6, wherein the ink container holds pigment ink  
containing pigment as the ink.